Department of Health
and the Welsh Office

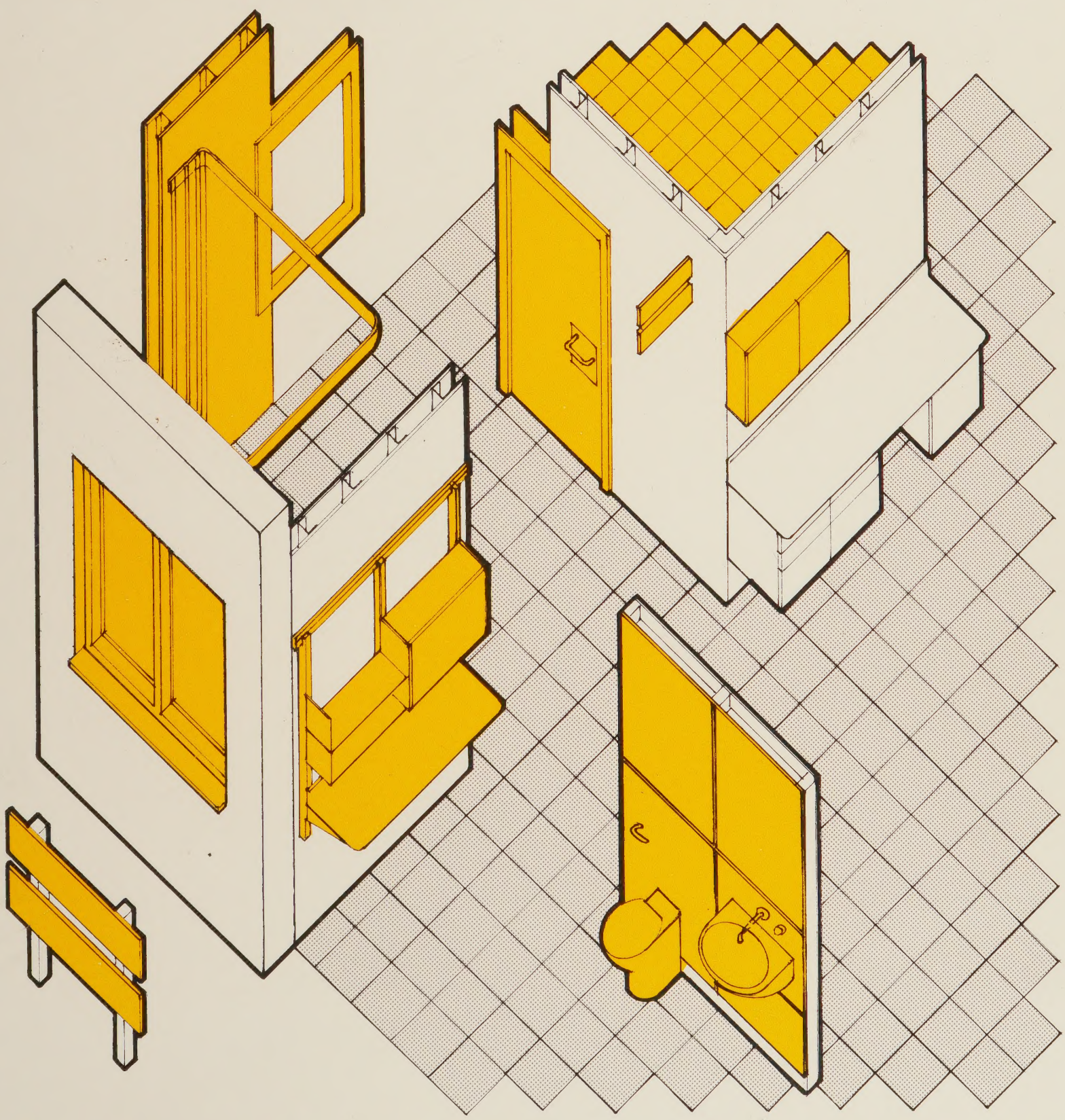
MC0008

Health Technical Memorandum

Building components

User manual

54



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1 Introduction

1.1 General

This *Health Technical Memorandum* provides an introduction to a series of HTM covering building components widely used in Health Buildings.

HTM 65 Signs was issued in 1985 by HMSO. The other HTMs in the series 55 to 66 were issued to NHS authorities in advance copy form during 1985 and 1986. They have been revised and are available from HMSO from spring and summer 1989.

HTM 67 to 70 are expected to be available from the latter part of 1990.

These HTM are part of a series of documents issued by the DoH offering guidance on the planning, design, construction and fitting out of health buildings. These include:

- Activity Data Base
- Capricode
- Concode
- Design Guides
- Design Briefing System
- Energy Code
- Estate Code
- Fire Code
- Health Building Notes
- Health Technical Memoranda
- Nucleus Hospitals
- Safety Information Bulletins.

The description Component Data Base has been retained as the corporate title for this series of HTM for building components and the adminisrative arrangements for the preparation and maintenance of the data.

The Component Data Base is managed by a Steering Group, chaired by a Regional Architect. The Group includes architects, surveytors and designers from the DoH, NHS Regions and Districts and from Scotland, N. Ireland and Wales. Specialist advice such as engineering, medical, nursing and domestic management is called in as required.

All previous series of publications relating to such building components are superseded and all approvals contained within the publications are withdrawn. Publications withdrawn are Hospital Building Assemblies, Manufacturer's Data Base 1970 and 1973, and Component Data Base Mark III.

The Building components to be included in the current series of Health Technical Memoranda are:

54 Building Components and User Manual
55 Windows
56 Partitions
57 Internal Glazing
58 Internal Doorsets
59 Ironmongery
60 Ceilings
61 Flooring
62 Demountable storage system
63 Fitted storage system
64 Sanitary assemblies
65 Signs
66 Cubicle curtain track
67 Laboratory fitting out systems
68 Duct and panel assemblies
69 Protection
70 Fixings

Additional HTM in this series may be published as the need arises.

A ring binder entitled 'Building Components' obtainable from HMSO enables users to retain each of the HTM 54 – 70 and supplementary information published as part of this HTM series, in one cover.

These HTM contain information and guidance gained from experience of components in use; developments in components; and introduction of new components; guidance on other building components, materials, construction, technology where health building has specific requirements; relevant changes in British Standards, and other miscellaneous matters relating to building components. Excluded from these HTM are any matters relating to external works or specific structural components.

The content of the HTM have been prepared as a result of many years collaboration between professional staff of several disciplines within the National Health Service and Department of Health, commissionees from private practice, manufacturers, trade associations and testing organisations. This collaboration is continuing to consider current and future developments.

Components in production and prototypes have been tested and the results incorporated in the data.

HTM are published by HMSO and copies can be obtained from the retail outlets of HMSO or through any bookseller.

1.2 Status

All information given in HTM is guidance. *It is recommended that the guidance be followed if the building components are to provide a satisfactory level of service in a health building.*

No information given affects the responsibility of the design team for the design, specification, and selection of components to meet the requirements of the project. It is important that specifiers satisfy themselves that selected components meet the recommended standards.

Wherever possible users should give preference throughout all HTM to products and services from sources which have been registered under BSI Quality Assurance procedures under BS 5750, or other equivalent certification procedures.

1.3 Format of Health Technical Memoranda

Each HTM is similar in format and structure and generally follows the sequence below:

Introduction

This section provides an introduction to the HTM and to the particular component. The relationship to other data and components is described and an advisory note on the status of the documents and terminology used is included.

Design and specification guidance

The general principles and benefits of the particular component or system is explained together with data on the main dimensions.

Each component is described and where practical illustrated by dimensioned drawings. Details of the performance of the components and or systems is listed.

The integration of the component or system with other building and or engineering elements is explained and detailed information is included on the application of the component or system.

Project documentation and procurement

Where appropriate, there is guidance on recommended methods of procurement and the interface with normal contract procedures.

Manufacturers of components previously available under Component Data Base Mark 3 may offer components which meet the standards set out, however designers and specifiers are advised to check with these manufacturers before including the source in contract documentation.

Designers and specifiers may find it useful to refer to the Method of Building published by the Property Services Agency for suitable sources of some components. These have been selected after detailed tender and assessment procedures and use similar specifications to those in the HTM.

Where difficulty is experienced in assembling a list of suitable manufacturers, the CDB Manager should be consulted.

Specifications

Some HTM contain a model specification which may be used as the basis for project specifications or obtaining tenders.

Where relevant, examples of suitable schedules or other documents are suggested. Contract and design responsibilities are advised.

Some of the HTM already include a typical specification clause. It is planned that future supplementary information will include additional typical specification clauses. Designers must ensure that all components are fully detailed and measured in the Bills of Quantities. Reference to the HTM alone is not sufficient.

The HTM are supported by Appendices detailing tests, supplementary design and or specification data, etc. References setting out relevant British Standards, Codes of Practice (current at the time the HTM was prepared), Building Research Establishment and Trade Association Data, and DoH references complete the HTM.

Model Working Drawings

Model working drawings (or deemed-to-satisfy details) are available for certain components where test evidence is required.

Installation

Recommendations regarding the installation of components or systems are made. Data on conditions to be met on site, eg storage, temperature, tolerances is also provided. In use information on maintenance, replacement and re-use (where relevant) of the components or systems is given.

1.4 Format of additional Documents

Other additional documents to be included in this HTM series will be published containing supplementary information. Each supplement will be numbered in sequence when published and an index will be issued from time to time.

The detail format will follow as far as possible that of HTM but will need to recognise the subject matter. The objective of this is to keep the data in the HTM up to date and comprehensive in content.

1.5 Enquiries

Enquiries relating to these Health Technical Memoranda should be directed to the Centre of Responsibility for CDB matters: North Western Regional Health Authority, Gateway House, Piccadilly South, Manchester M60 7LP (061 236 9456) for the attention of the CDB Manager.

Enquiries relating to preceding documents, ie Component Data Base Mark 3 and Manufacturers Data Base should be directed to the CDB Liaison Officer, HBD4, Department of Health, Euston Tower, 286 Euston Road, London NW1 3DN (01 388 1188).

References

Throughout the series of Health Technical Memoranda references are made to various documents principally:

Health Technical Memoranda

Other DoH Data
Activity Data Base
Health Building Notes
Health Design Notes
Fire Code
Nucleus Hospitals

Statutory Legislation
The Building Regulations
Model Water Byelaws
I E E Regulations

Technical Standards
British Standard Specifications
and Codes of Practice
BRE Digests and Information Papers
BRE Publications
Standards and Codes of Practice published by Trade Associations.

The following documents are cancelled by the contents of this publication:
Component Data Base Mark III

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